

A Platform and Approach for Capturing Science-Based Agency Knowledge

John Sykes
Program Analyst
ORD/ORMA
(919) 541-2953
sykes.john@epa.gov

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As the Agency moves toward mandatory electronic records management for a variety of reasons, the number and diversity of analytical applications in ORD continues to grow, as does the variety of data consumption applications, such as EPA's Electronic Records and Document Management System (Documentum) and ORD's Environmental Information Management System (EIMS), that gather and further employ those data from disparate analytical systems. The ability to efficiently integrate the "data generators" with the "data consumers" will determine the ability of ORD research groups to manage the data-rich new technologies, reduce data collection and reporting times, and provide Agency decision makers and others with access to those data into the future. This presentation will highlight the use of the NuGenesis® Scientific Data Management System (SDMS) as a platform technology to capture all analytical and related toxicological data from across several NHEERL and ORD studies, some involving investigators from multiple organizations. The proposed application of the NuGenesis SDMS within the Research and Science Architecture being planned will also be described. The NuGenesis SDMS will provide a seamless, bi-directional integration with data consuming applications. The desired outcome of this poster presentation will be to educate the attendees on the integral benefits of the NuGenesis SDMS knowledge capture platform, examples of how the application is currently leveraged within NHEERL and in Regional Offices, along with the metrics occurring as a result of the deployment.

Speakers:

John Sykes – Program Analyst, ORD Office of Resource Management and Administration
John is a key coordinator for numerous cross-ORD information technology initiatives, including the Research and Science Architecture Workgroup. He will describe the NuGenesis role that has been proposed within such an Agency architecture.

Ron Rogers – Environmental Scientist, QA and Records Manager for the NHEERL Environmental Carcinogenesis Division.

Ron has championed and helped guide the implementation of the NuGenesis SDMS in NHEERL as a research and records management tool of great potential. He will describe NHEERL's progress in deploying NuGenesis for several important pilot projects.

James Joyce – System Engineer, NuGenesis Technologies Corporation

James has been directly involved in the deployment efforts within the EPA and holds tenure with NuGenesis. He will be presenting the product suite and addressing all technical questions.

Amy Ohm – Account Manager, NuGenesis Technologies Corporation

Amy has also been directly involved in the deployment efforts within the EPA. Her responsibilities include documenting the process improvements along with project requirements and facilitating a plan to meet both objectives.